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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/692,640 10/24/2003 John David Hayler 9404.0006-01 8642 EXAMINER 06/26/2006 22852 7590 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER SAEED, KAMAL A ART UNIT PAPER NUMBER 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 1626

DATE MAILED: 06/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/692,640	HAYLER ET AL.
	Examiner	Art Unit
	Kamal A. Saeed	1626
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tirg rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on		
•	action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is		
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims		
4)⊠ Claim(s) <u>1 and 12-31</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdrawn from consideration.		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1 and 12-31</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	election requirement.	
Application Papers		
9) The specification is objected to by the Examiner.		
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).		
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.		
Priority under 35 U.S.C. § 119		
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		
a)⊠ All b)□ Some * c)□ None of:		
 Certified copies of the priority documents have been received. 		
2. Certified copies of the priority documents have been received in Application No. 10/070,281.		
3. Copies of the certified copies of the priority documents have been received in this National Stage		
application from the International Bureau (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list of	of the certified copies not receive	. €
••••••••		
Attachment(s) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(/PTO 412)
2) Delice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Di	ate
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 10/24/03.	5) Notice of Informal F 6) Other:	Patent Application (PTO-152)

Art Unit: 1626

DETAILED ACTION

Page 2

Claims 2-11 have been cancelled. Therefore, claims 1 and 12-31 are currently pending in this application.

Information Disclosure Statement

Applicant's Information Disclosure Statements, filed on 24 October 2003 have been considered. Please refer to Applicant's copies of the 1449 submitted herewith.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 12-31 are rejected under 35 U.S.C. 102 (b) as being anticipated by Kwak et al., European Patent No. 688772.

The process described in this application is directed to a method of preparing compounds

of Formula,

which comprises reaction of a compound of

Application/Control Number: 10/692,640 Page 3

Art Unit: 1626

Formula wherein X is a leaving group; with a compound of Formula

in a presence of a base and an aqueous solvent wherein the solvent is water.

Kwak et al discloses the instant claimed process using aqueous mixtures of solvents such as ethanol, acetonitrile etc. (see page 88, claim 8).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a), which forms the basis for all obviousness rejections, set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1 and 12-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kwak et al., European Patent No. 688772, in view of Irikura et al, European Patent No. 183129.

Application/Control Number: 10/692,640

Art Unit: 1626

The process described in this application is directed to a method of preparing compounds

of Formula,

which comprises reaction of a compound of

Page 4

Formula

wherein X is a leaving group; with a compound of Formula

in a presence of a base and an aqueous solvent wherein the solvent is water.

<u>Determination of the scope and content of the prior art (MPEP §2141.01)</u>

Kwak et al discloses the instant claimed process using aqueous mixtures of solvents such as ethanol, acetonitrile etc. (see page 88, claim 8). Irikura et al teach the same type of reaction of pyrrolidines with condensed 7-leaving group-pyridin-4-one-3-carboxylic acids. More over, on page 3, Irikura et al discloses that solvents such as water, alcohols, and acetonitriles may be used.

Ascertainment of the difference between the prior art and the claims (MPEP §2141.02)

The difference between Kwak et al and the instantly claimed process is that in the instant claims only water is used as a solvent.

Finding of prima facie obviousness--rational and motivation (MPEP §2142-2413)

Application/Control Number: 10/692,640

Art Unit: 1626

Guided by the teaching of Kwak et al in view of Irikura et al one skilled in the art would use water alone, in the above described process, as a solvent alternative to other organic solvents including those taught by Kwak et al, one of ordinary skill in the art would have been motivated to use water alone in the instant reaction.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kamal A Saeed, Ph.D. whose telephone number is (571) 272-0705. The examiner can normally be reached on M-T 7:00 AM- 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Joseph K. McKane, can be reached at (571) 272-0699.

Communication via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signiture, may be used by applicant and should be addressed to [joseph.mckane@uspto.gov]. All Internet e-mail communications will be made of record in the application file. PTO employees will not communicate with applicant via Internet e-mail where sensitive data will be exchanged or where there exists a possibility that sensitive data could be identified unless there is of record an express waiver of the confidentiality requirements under 35 U.S.C. 122 by the applicant. See the Interim Internet Usage Policy published by the Patent and Trademark Office Official Gazette on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

Application/Control Number: 10/692,640 Page 6

Art Unit: 1626

may be obtained from either Private PAIR or public PAIR only. For more information about the pair system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

KAMAL A. SAEED, PH.D. PRIMARY EXAMINER

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